WORD PROCESSOR

CRICKET HOUSE

CRICKET-SOFT WORD PROCESSOR

BY
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THIS PROGRAM IS MOSTLY SELF DOCUMENING. A FEW NOTES WILL BE OF ASSISTANCE IN LEARNING TO USE IT EFFECTIVLY. IT FEATURES WORD-WRAP AND A 15 LINE WINDOW ON THE TEXT. THIS MEANS THAT TEXT MAY BE ENTERED WITHOUT REGARD FOR LENGTH OF ENTRY (UP TO THREE LINES). THE PROGRAM WILL SORT OUT THE APPROPRIATE LINE BREAKS. IT WILL NOT CUT WORDS IN TWO UNLESS THEY ARE LONGER THAN THIRTY-TWO LETTERS LONG. THE WINDOW KEEPS THE SCREEN FROM EVER OVERFLOWING AND FORCING A HALT.

THERE ARE TWO UNIFORM ESCAPES FROM ANY DIFFICULTY. <=(SHIFTED R) CAN BE ENTERED FROM ANY PLACE INSIDE THE RUNNING PROGRAM TO GET TO THE MENU. IT MAY NOT BE USED IN ANY SITUATION WHERE THE PROGRAM HAS STOPPED. IF THE PROGRAM HAS STOPPED, USE "GOTO MENU". MENU IS A PROGRAM VARIABLE PROVIDED FOR THE SOLE PURPOSE OF RESTARTING WITHOUT THE LOSS OF DATA. **NEVER** USE "RUN". IT WILL ERASE EVERYTHING THAT YOU HAVE WRITTEN.

WHEN YOU LOAD THE PROGRAM FROM THE TAPE OR THE LISTING FOR THE FIRST TIME, IT IS IN A CONDENSED FORM. THE MAIN ARRAY FOR TEXT STORAGE IS ONLY 1 LINE OF THIRTY-TWO SPACES. YOU NEED TO BREAK THE PROGRAM AND EDIT LINE 20. IT SHOULD READ:

```
20 LET I=250
```

YOU CAN USE A SMALLER NUMBER (OR A LARGER ONE IF YOU HAVE A RAM THAT IS LARGER THAN 16K). THIS CREATES ROOM TO WRITE IN. **NEVER** CHANGE THE SIZE OF THE ARRAY IN THE PROGRAM IF IT IS HOLDING A DOCUMENT THAT YOU WANT TO SAVE.

ONCE THE PROGRAM IS RUNNING AND THE ARRAY IS SET FOR SIZE, YOU WILL BE FACED WITH A MENU. IT WILL LOOK LIKE THIS:

```
CRICKET-SOFT WORD PROCESSOR

MENU
<1>WRITE
<2>DISPLAY TEXT
<3>PRINT HARD COPY
<4>SAVE
<5>CLEAR TEXT
<6>DISPLAY TEXT FOR EDIT
<7>LINE EDIT
<8>INSERT AFTER LINE
<9>DELETE LINE
```

<1>WRITE --- THIS ALLOWS YOU TO TYPE IN TEXT. YOU HAVE ALL OF THE FAMILIAR LINE EDITING CAPABILITIES OF THE ENTER MODE, AS LONG AS YOU STAY BETWEEN THE QUOTATION MARKS, YOU MAY TYPE ANYTHING THAT YOU WISH (UP TO 3 LINES) WITH NO WORRIES ABOUT THE FORMAT. THE PROGRAM TAKES CARE OF LINE BREAKS. ONCE THE TEXT IS ENTERED, IT IS FOLLOWED BY A ■ CURSOR.

THIS MEANS THAT THE TEXT ON THE LINE WITH THE ■ IS IN A STORAGE STRING AND WILL BE LOST IF YOU LEAVE THE WRITE MODE.

TO START A NEW PARAGRAPH OR TERMINATE A LINE FOR ANY REASON, SIMPLY HIT ENTER. THE DISPLAY WILL SCROLL AND THE ■ CURSOR WILL VANISH. ANY NEW TEXT WILL BE ON THE NEXT LINE. ENTER CAN ALSO BE USED TO FORCE BLANK LINES.

DO NOT USE ANY TWO SPACE CHARACTERS AS THEY STORE IN THE ARRAY AS SINGLE ITEMS AND CONFUSE THE PRINTER, CAUSING A BLANK LINE TO FOLLOW ANY LINE WITH ONE OR MORE DOUBLE SPACE CHARACTERS IN IT. SIMULATE ANY DOUBLE SPACE CHARACTERS WITH TWO SINGLE SPACE CHARACTERS.

<2>DISPLAY TEXT --- SCROLLS THE TEXT SLOWLY PAST FOR REVIEW. IT MAY BE STARTED FROM ANY LINE IN THE TEXT AND WILL GO ON TO THE END OF THE TEXT. THE DISPLAY MAY BE STOPPED TEMPORARILY BY PRESSING THE "S" KEY. IT WILL RESUME SCROLLING AS SOON AS YOU LET UP THE KEY. YOU MAY ESCAPE TO THE MENU AT ANY TIME BY PRESSING SHIFT AND R. PRESSING ENTER OR SHIFTED R AT THE END OF THE TEXT WILL ALSO RETURN YOU TO THE MENU.

<3>PRINT HARD COPY --- DOES JUST THAT. IT ASKS HOW MANY COPIES YOU WANT AND UPON VERIFYING THE NUMBER, PRINTS THE COPIES. THIS IS SET UP FOR THE T/S 2040 OR THE ALPHACOM PRINTERS. OTHER PRINTERS MAY REQUIRE CHANGES IN THIS SECTION OF THE PROGRAM.

<4>SAVE --- SAVES THE PROGRAM AND DOCUMENT ON TAPE. IT THEN GIVES YOU THE OPTION OF CLEARING OUT THE TEXT OR PRESERVING IT.

IF THE PROGRAM IS LOADED FROM A TAPE, THIS IS WHERE YOU ENTER THE PROGRAM. THE USE OF OTHER MEDIA FOR SAVING MAY MAKE IT NECESSARY TO ALTER THIS PART OF THE PROGRAM.

<5>CLEAR TEXT --- WILL WIPE ALL OF THE TEXT FROM MEMORY. AS USUAL, THERE ARE SAFETIES. YOU ARE ASKED IF YOU WANT TO ERASE EVERYTHING. ANY ANSWER EXCEPT "N" OR SHIFTED R WILL ERASE EVERYTHING.

<6>DISPLAY TEXT FOR EDIT --- SHOWS THE TEXT WITH ASSOCIATED LINE NUMBERS, ONE LINE AT A

TIME. YOU MUST SPECIFY THE LINE NUMBER THAT YOU WANT TO START FROM. PRESS ENTER FOR EACH NEW LINE. TO ESCAPE TO THE MENU, ENTER SHIFTED R.

<7>LINE EDIT --- ALLOWS YOU TO CHANGE THE CONTENTS OF ANY LINE STORED IN THE TEXT. ENTER THE NUMBER OF THE LINE TO EDIT. YOU WILL SEE TWO COPIES OF THE LINE. A ▒ CURSOR WILL BE UNDER THE LOWER COPY. INSERTION OR DELETION OCCURS AT THE LEFT HAND EDGE OF THE CURSOR. PRESSING THE 5 KEY MOVES IT LEFT AND THE 8 KEY MOVES IT RIGHT. WHEN IT IS IN THE RIGHT POSITION, THE D KEY WILL DELETE ONE LETTER AT A TIME ON A SLOW AUTO REPEAT. PRESSING THE I KEY WILL ALLOW YOU TO TYPE INSERTIONS. IF THE LINE OVERFLOWS, IT WILL LOSE ALL THE OVERFLOW UPON BEING ENTERED BACK INTO THE TEXT. WHEN IT IS ALL CORRECT, PRESSING THE Y KEY WILL ENTER IT BACK INTO THE TEXT.

<8>INSERT AFTER LINE --- ALLOWS YOU TO INSERT WHOLE NEW LINES INTO THE TEXT. YOU ARE ASKED FOR A LINE NUMBER AND THE LINE IS DISPLAYED. IF IT IS THE WRONG LINE, USE SHIFTED R TO ESCAPE. EACH NEW LINE IS RESTRICTED TO 32 CHARACTERS, INCLUDING SPACES. WHEN YOU ENTER THE LINE, IT WILL BE PLACED BELOW THE PREVIOUS LINE. IF IT IS RIGHT, THEN PRESS "Y" TO ENTER IT INTO THE TEXT. "N" WILL GIVE YOU A SECOND CHANCE AT THAT LINE. WHEN YOU ENTER A LINE, THE PROGRAM WILL CYCLE TO ENTER ANOTHER NEW LINE. TO ESCAPE, USE SHIFTED R.

<9>DELETE LINE --- ASKS FOR THE NUMBER OF A LINE TO DELETE FROM THE TEXT. IF YOU GOT THERE BY MISTAKE, SHIFTED R WILL GET YOU THE MENU. ENTERING A LINE NUMBER WILL CAUSE THAT LINE TO BE DISPLAYED. IF IT IS THE WRONG LINE, "N" OR SHIFTED R WILL GET THE MENU. "Y" WILL DELETE THE LINE AND CAUSE THE NEXT LINE TO TAKE ITS PLACE. THIS ALLOWS YOU TO DELETE A BATCH OF LINES WITHOUT GOING TO THE MENU EACH TIME. ESCAPE FROM THE DELETE ROUTINE IS BY "N" OR SHIFTED R.

```
HEX-ADDRESS-DECIMAL
3E--16514---62
0E--16515---14
01--16516---1
85--16517---133
00--16518---0
8A--16519---42
0C--16520---12
40--16521---64
09--16522---9
E5--16523---229
D1--16524---209
01--16525---1
21--16526---33
00--16527---0
09--16528---9
01--16529---1
20--16530---32
00--16531---0
ED--16532---237
B0--16533---176
01--16534---1
20--16535---32
00--16536---0
C6--16537---198
00--16538---0
ED--16539---237
42--16540---66
ED--16541---237
4B--16542---75
B3--16543---179
40--16544---64
0E--16545---14
00--16546---0
04--16547---4
ED--16548---237
43--16549---67
B3--16550---179
40--16551---64
B8--16552---184
20--16553---32
E0--16554---224
01--16555---1
00--16556---0
00--16557---0
ED--16558---237
43--16559---67
B3--16560---179
40--16561---64
C9--16562---201
00--16563---0
00--16564---0
```

LISTING 1

```
10 FOR J=16514 TO 16564
20 SCROLL
30 PRINT J;"---";
40 INPUT X
50 POKE J,X
60 PRINT PEEK J
70 NEXT J
```

```
  1 REM 12345678901234567890123
4567890123456789012345678901
```

ENTER THE ABOVE REM LINE AND THEN ENTER LISTING 1. PUT THE COMPUTER INTO FAST MODE AND ENTER THE NUMBERS IN THE DECIMAL COLUMN ONE AT A TIME UNTIL THE PROGRAM IS LOADED AND COMES

TO A HALT. IF YOU MAKE AN ERROR, JUST NOTE DOWN THE ADDRESS AND THE CORRECT NUMBER AND POKE IT IN LATER. WHEN YOU ARE ALL DONE WITH THE CODE, THEN ENTER IN COMMAND MODE (NO LINE NUMBER) POKE 16510,0.

THIS WILL CHANGE THE LINE NUMBER TO 0. THEN, DELETE THE LOADER.

FINALLY, TYPE IN LISTING 2. SAVE THE PROGRAM ON TAPE FREQUENTLY, AS IT IS FAIRLY LONG. IT CAN BE A HEART-BREAKER TO LOSE THE WHOLE WORKS JUST AT THE END OF HAND LOADING SOMETHING THIS LONG.

LISTING 2:

```
  0 REM Y:" ▌ E£RND» FAST SGN "5
 »" 4  GOSUB ₧ 4 LEN  GOSUB PI GO
SUB ?NRND: ▌ GOSUB ?NRND84 STEP
▌  GOSUB ?NRNDTAN
  10 REM COPYRIGHT 1985
  BY GLEN TEN-EYCK
  15 REM ▌▌▌ SET Z<=250 ▌▌▌
  20 LET Z=1
  25 IF Z<=1 THEN PRINT "PRESS B
REAK-LIST 20-INCREASE Z  TO MAKE
 ROOM"
  30 IF Z>=2 THEN PRINT TAB 5;"P
RESS ENTER"
  35 IF INKEY$="" THEN GOTO 35
  40 LET Y=0
  45 LET L=0
  50 LET D$=""
  55 LET E$="
                "
  60 LET R$=" <= (SHIFTED R) FOR
 MENU"
  65 DIM A$(Z,32)
  70 DIM B$(2,32)
  75 LET L$="
                                "
  80 LET MENU=90
  90 CLS
  95 SLOW
 100 PRINT L$;TAB 3;"CRICKET-SOF
T WORD PROCESSOR";E$;L$;E$
 105 PRINT TAB 10;" MENU ";TAB 7
;TAB 7;"<1>WRITE";TAB 7;"<2>DISP
LAY TEXT";TAB 7;"<3>PRINT HARD C
OPY";TAB 7;"<4>SAVE";TAB 7;"<5>C
LEAR TEXT";TAB 7;"<6>DISPLAY TEX
T FOR EDIT";TAB 7;"<7>LINE EDIT"
;TAB 7;"<8>INSERT AFTER LINE";TA
B 7;"<9>DELETE LINE"
 110 PRINT E$;L$;L$
 115 IF INKEY$<>"" THEN GOTO 115
 120 IF INKEY$="" THEN GOTO 120
 125 LET C$=INKEY$
 130 IF CODE C$<29 OR CODE C$>37
 THEN GOTO 115
 135 GOTO ((175*(C$="1"))+(370*(
C$="2"))+(455*(C$="3"))+(555*(C$
="4"))+(140*(C$="5"))+(645*(C$="
6"))+(720*(C$="7"))+(835*(C$="8"
))+(1000*(C$="9")))
 140 CLS
 145 PRINT TAB 8;" CLEAR TEXT ";
AT 3,0;L$;AT 5,0;"DO YOU WANT TO
 ERASE EVERYTHING?";TAB 12;"(Y/N
)";AT 3,0;L$;AT 2,1;"PRESS";R$
 150 IF INKEY$<>"" THEN GOTO 150
 155 IF INKEY$="" THEN GOTO 155
 160 IF INKEY$="<" OR INKEY$="N
" THEN GOTO MENU
 165 CLS
 170 GOTO 20
 175 REM  WRITE
 180 CLS
 185 PRINT TAB 10;" WRITE ";AT 3
,0;L$;AT 19,0;L$
 190 PRINT AT 2,2;"ENTER";R$
 195 LET L=Y
 200 FOR J=L TO L-10 STEP -1
 205 IF L<=0 THEN GOTO 220
 210 IF J>0 THEN PRINT AT 17-(L-
J),0;A$(J);AT 19,0;Y
 215 NEXT J
 220 LET D$=""
 225 IF Y<Z THEN GOTO 245
 230 PRINT AT 18,9;" PROGRAM FUL
L "
 235 PAUSE 100
 240 GOTO MENU
 245 INPUT C$
 250 IF C$="<=" THEN GOTO MENU
 255 FAST
 260 IF C$="" THEN GOTO 345
 265 LET C$=D$+C$
 270 LET D$=""
 275 IF LEN C$<33 THEN GOTO 325
 280 FOR J=0 TO 32
 285 IF C$(33-J)=CHR$ 0 THEN GOT
O 300
 290 NEXT J
 295 LET J=1
 300 LET Y=Y+1
 305 LET A$(Y)=C$( TO 33-J)
 310 LET C$=C$(34-J TO )
 315 PRINT AT 18,0;A$(Y);AT USR
16514,0;AT 18,0;E$;TAB 0;Y
 320 GOTO 275
 325 LET D$=C$
 330 PRINT AT 18,0;D$+"■"
 335 SLOW
 340 GOTO 225
 345 LET Y=Y+1
 350 LET A$(Y)=D$
 355 PRINT AT 18,0;A$(Y);AT USR
16514,0;AT 18,0;E$;TAB 0;Y
 360 SLOW
 365 GOTO 220
 370 REM  DISPLAY
 375 CLS
 380 PRINT TAB 9;" DISPLAY TEXT
";TAB 0;"TO STOP DISPLAY,PRESS "
,"S""";TAB 0;"PRESS";R$;TAB 0;L$;
AT 19,0;L$
 385 PRINT AT 4,0;"FROM LINE?"
 390 INPUT C$
 395 IF C$="<=" THEN GOTO MENU
 400 IF VAL C$<1 OR VAL C$>Y THE
N GOTO 390
 405 FOR A=VAL C$ TO Y
 410 PRINT AT USR 16514,0;AT 18,
0;A$(A);TAB 0;A
 415 FOR J=1 TO 3
 420 IF INKEY$="S" THEN GOTO 420
 425 IF INKEY$="<=" THEN GOTO ME
NU
 430 NEXT J
 435 NEXT A
 440 PRINT TAB 9;" END OF TEXT "
 445 INPUT C$
 450 GOTO MENU
 455 REM  PRINT COPY
 460 CLS
 465 PRINT TAB 8;" PRINT HARD CO
PY ";AT 2,1;"ENTER";R$;AT 3,0;L$
;AT 7,0;L$;AT 5,0;"HOW MANY COPI
ES? ";
 470 INPUT C$
 475 IF C$="<=" THEN GOTO MENU
 480 PRINT C$
```

```
 485 PRINT AT 9,0;"NUMBER CORRECT? (Y/N)"
 490 IF INKEY$<>"" THEN GOTO 490
 495 IF INKEY$="" THEN GOTO 495
 500 IF INKEY$="N" THEN GOTO 455
 505 IF INKEY$="<=" THEN GOTO MENU
 510 FAST
 515 FOR J=1 TO VAL C$
 520 FOR A=1 TO Y
 525 LPRINT A$(A)
 530 NEXT A
 535 IF VAL C$>1 THEN LPRINT ,,,,,,,,,,
 540 NEXT J
 545 SLOW
 550 GOTO MENU
 555 REM SAVE
 560 CLS
 565 PRINT TAB 10;" SAVE ";AT 2,0;"ENTER";R$;TAB 0;L$;AT 7,0;L$;AT 5,0;"FILE NAME? ";
 570 INPUT S$
 575 IF S$="<=" THEN GOTO MENU
 580 PRINT S$
 585 PRINT AT 9,2;"IS FILE NAME CORRECT? (Y/N)"
 590 IF INKEY$<>"" THEN GOTO 590
 595 IF INKEY$="" THEN GOTO 595
 600 LET C$=INKEY$
 605 IF C$="Y" THEN GOTO 620
 610 IF C$="N" THEN GOTO 560
 615 IF C$="<=" THEN GOTO MENU
 620 SAVE S$
 625 PRINT AT 11,7;"CLEAR TEXT? (Y/N)"
 630 IF INKEY$="" THEN GOTO 630
 635 IF INKEY$="Y" THEN GOTO 20
 640 GOTO MENU
 645 REM DISPLAY TEXT
 650 CLS
 655 PRINT TAB 8;" DISPLAY TEXT ";AT 2,1;"ENTER";R$;TAB 0;L$;AT 19,0;L$
 660 PRINT AT 4,9;"FROM LINE?"
 665 INPUT C$
 670 IF C$="<=" THEN GOTO MENU
 675 IF C$="" THEN GOTO 665
 680 FOR A=VAL C$ TO Y
 685 PRINT AT USR 16514,0;AT USR 16514,0;AT 16,0;A$(A);TAB 0;A
 690 INPUT C$
 695 IF C$="<=" THEN GOTO MENU
 700 NEXT A
 705 PRINT AT 20,8;" END OF TEXT "
 710 INPUT C$
 715 GOTO MENU
 720 REM LINE EDIT
 725 CLS
 730 PRINT TAB 10;" LINE EDIT ";AT 2,0;L$;AT 8,0;L$;AT 1,2;"ENTER";R$;AT 3,6;"NO. OF LINE TO EDIT?"
 735 INPUT C$
 740 IF C$="<=" THEN GOTO MENU
 745 LET C=VAL C$
 750 LET G$=A$(C)
 755 PRINT AT 3,0;A$(C);AT 5,0;G$;AT 9,2;" IF LINE CORRECT, PRESS ""Y""."
 760 PRINT "(<-CURSOR LEFT,5 8,CURSOR RIGHT->) PRESS D TO DELETE, I TO INSERT"
 765 LET X=0
 770 LET X1=X
 775 PRINT AT 6,X1;" ";AT 6,X-(X>31);"▒"
 780 LET M$=INKEY$
 785 IF M$="<=" THEN GOTO MENU
 790 IF M$="" THEN GOTO 780
 795 IF M$="Y" THEN GOTO MENU
 800 LET X1=X
 805 IF X1>31 THEN LET X1=31
 810 LET X=X+(M$="8" AND X<31)-(M$="5" AND X>0)
 815 IF X>LEN G$ THEN LET X=LEN G$
 820 IF X>31 THEN LET X=31
 825 IF M$="I" OR M$="D" THEN GOSUB 1125
 830 GOTO 775
 835 REM LINE INSERT
 840 CLS
 845 PRINT TAB 9;" LINE INSERT ";AT 2,1;"ENTER";R$;AT 3,0;L$;AT 9,0;L$
 850 PRINT " ENTER NO. OF LAST LINE BEFORE";TAB 10;"INSERTION."
 855 INPUT C$
 860 IF C$="<=" THEN GOTO MENU
 865 LET C=VAL C$
 870 IF C>Y THEN GOTO 855
 875 IF C=0 THEN GOTO 890
 880 IF C<0 THEN GOTO 855
 885 PRINT AT 5,0;A$(C)
 890 INPUT B$(1)
 895 IF CODE B$(1)=CODE "<=" THEN GOTO MENU
 900 PRINT AT 7,0;B$(1);AT 12,3;" INSERTION CORRECT? (Y/N) "
 905 IF INKEY$<>"" THEN GOTO 905
 910 IF INKEY$="" THEN GOTO 910
 915 IF INKEY$="N" THEN GOTO 890
 920 LET Y=Y+1
 925 IF Y<=Z THEN GOTO 950
 930 PRINT AT 7,10;" PROGRAM FULL "
 935 LET Y=Y-1
 940 PAUSE 300
 945 GOTO MENU
 950 FAST
 955 FOR J=C+1 TO Y
 960 LET B$(2)=A$(J)
 965 LET A$(J)=B$(1)
 970 LET B$(1)=B$(2)
 975 NEXT J
 980 PRINT AT 7,0;E$;AT 10,0;E$;TAB 0;E$;TAB 0;E$
 985 LET C=C+1
 990 SLOW
 995 GOTO 885
1000 REM LINE DELETE
1005 CLS
1010 PRINT TAB 8;" LINE DELETE ";" ENTER";R$;AT 2,0;L$;AT 4,2;"ENTER NO. OF LINE TO DELETE.";AT 6,0;L$
1015 INPUT C$
1020 IF C$="<=" THEN GOTO MENU
1025 LET C=VAL C$
1030 PRINT AT 4,0;A$(C);AT 7,4;"DELETE THIS LINE? (Y/N)"
1035 GOTO 1060
1040 PRINT AT 4,9;" END OF TEXT "
1045 IF Y<=0 THEN LET Y=1
1050 PAUSE 100
1055 GOTO MENU
1060 IF INKEY$<>"" THEN GOTO 1060
1065 IF INKEY$="" THEN GOTO 1065
1070 IF INKEY$="N" OR INKEY$="<=" THEN GOTO MENU
1075 FAST
1080 FOR J=C TO Y
1085 LET A$(J)=""
1090 IF J+1>Y THEN GOTO 1100
1095 LET A$(J)=A$(J+1)
1100 NEXT J
1105 LET Y=Y-1
1110 SLOW
1115 IF C>Y THEN GOTO 1040
1120 GOTO 1030
1125 REM LINE EDIT SUB-ROUTINE
1130 LET F$=G$(X+1 TO )
1135 LET G$=G$( TO X)
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```
1140 IF M$="D" THEN GOTO 1175
1145 INPUT M$
1150 LET G$=G$+M$
1155 LET X=LEN G$
1160 IF X>31 THEN LET X=31
1165 PRINT AT 5,0;G$+F$;AT 6,X-1
;" ";AT 6,X;"▒"
1170 GOTO 1215
1175 LET M$=INKEY$
1180 IF M$="" THEN GOTO 1175
1185 IF M$<>"D" THEN GOTO 1215
1190 IF LEN G$<=0 THEN GOTO 1215
1195 LET G$=G$( TO LEN G$-1)
1200 PRINT AT 5,0;G$+F$;" ";AT 6
,LEN G$+1-((LEN G$>31)*2);" ";AT
 6,LEN G$-(LEN G$>31);"▒"
1205 LET X=LEN G$
1210 GOTO 1175
1215 LET G$=G$+F$
1220 LET A$(C)=G$
1225 RETURN
```